

FIG.1

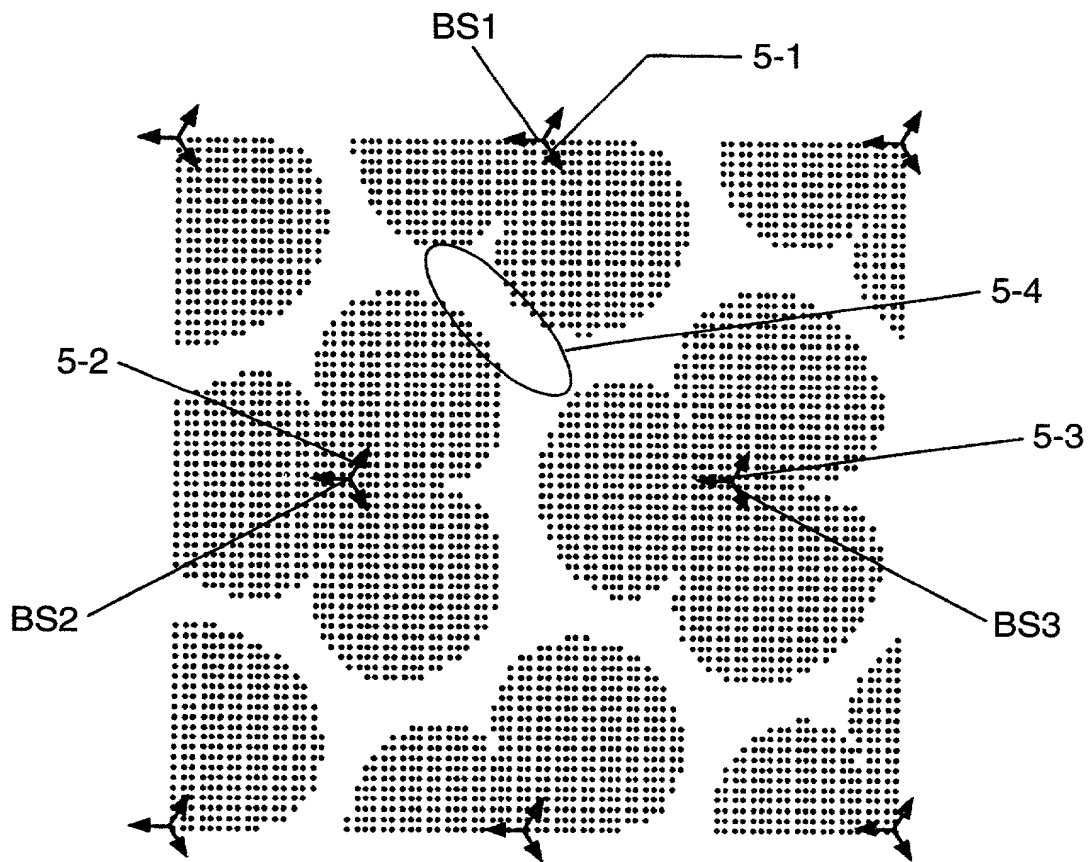


FIG.2

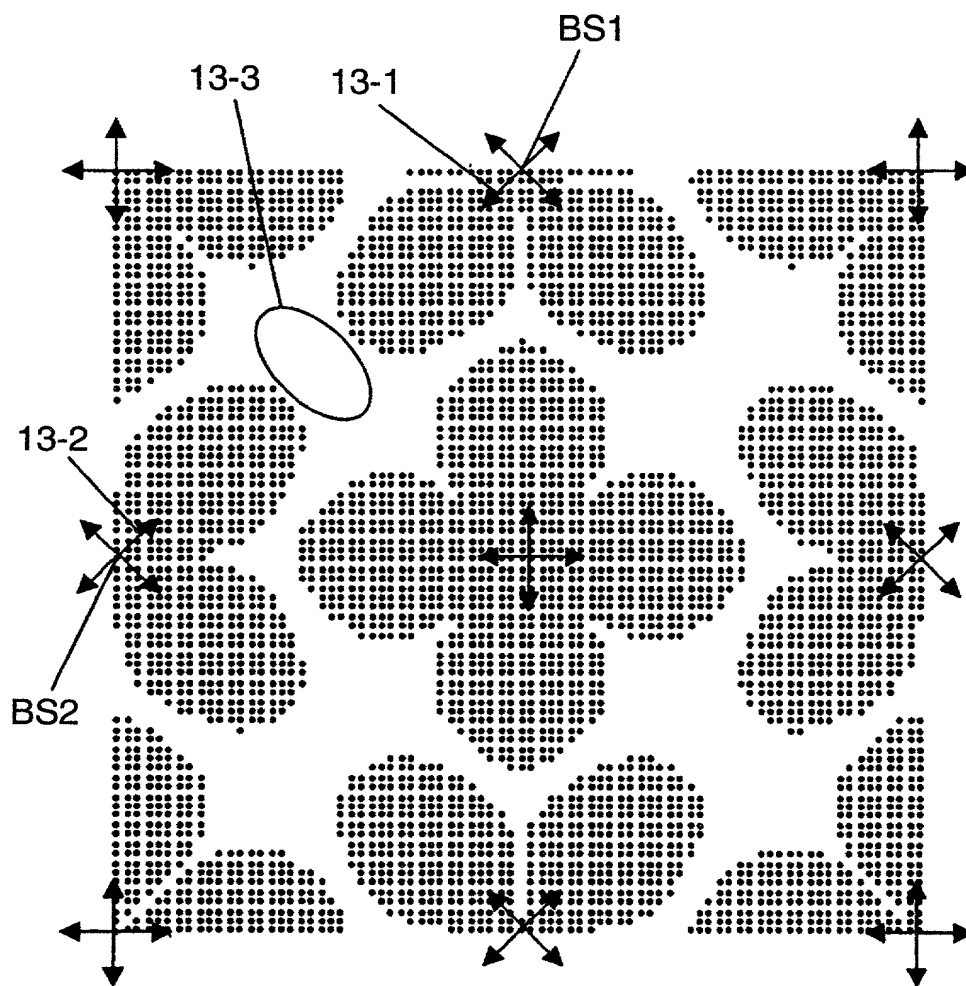


FIG.3

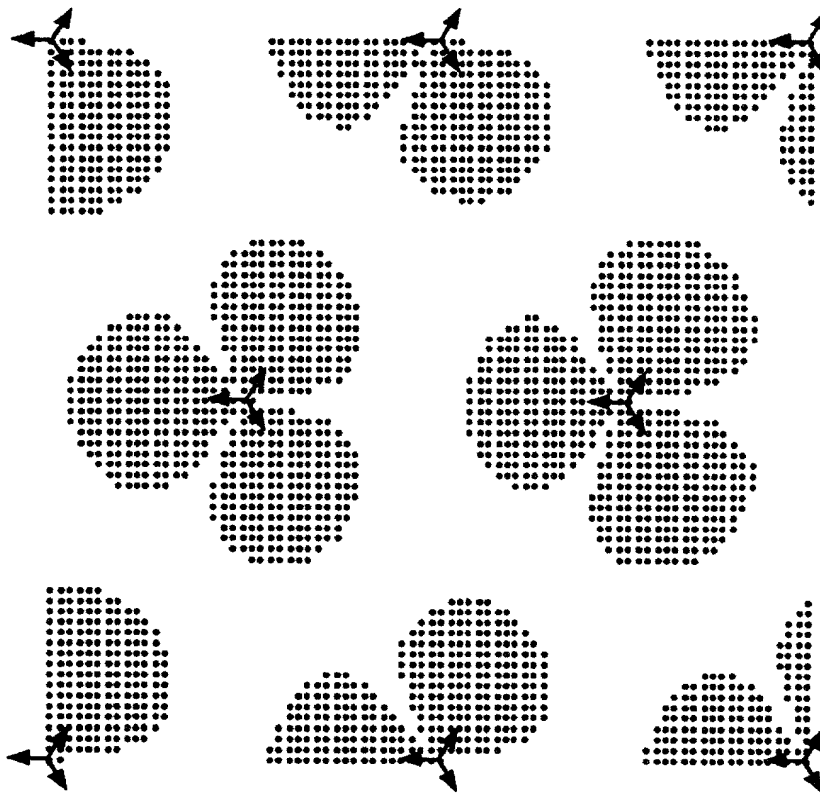


FIG.4

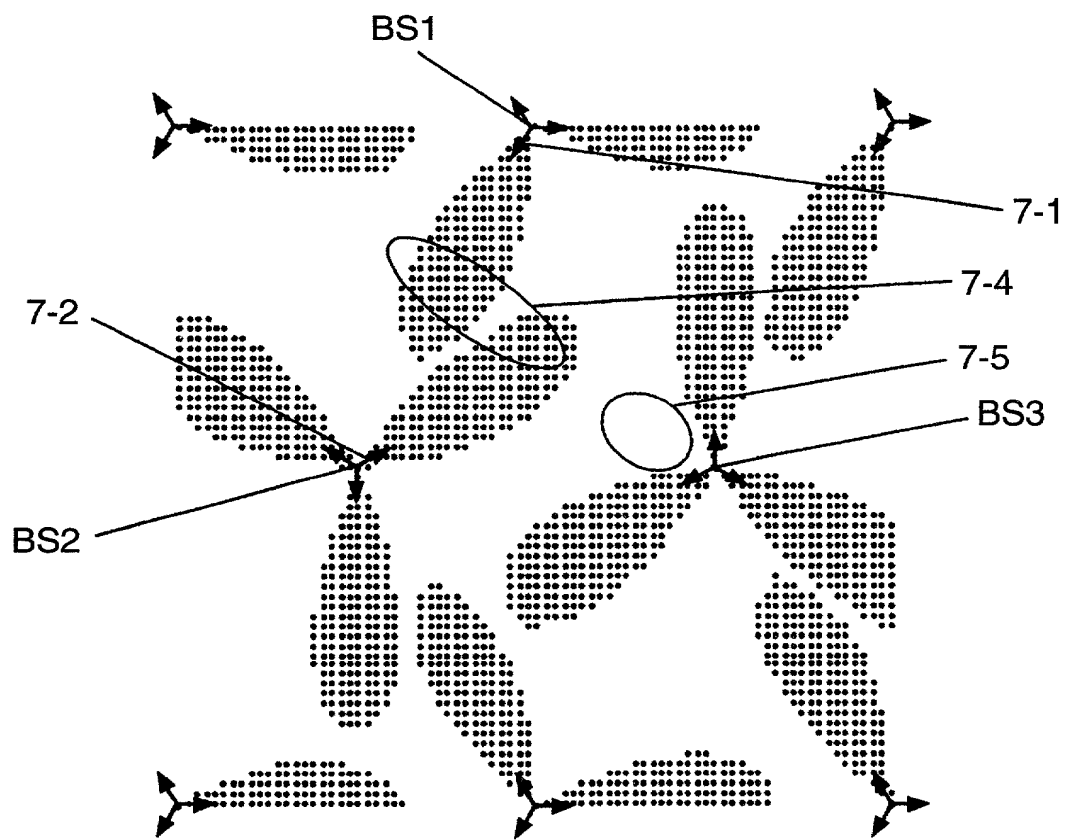


FIG.6

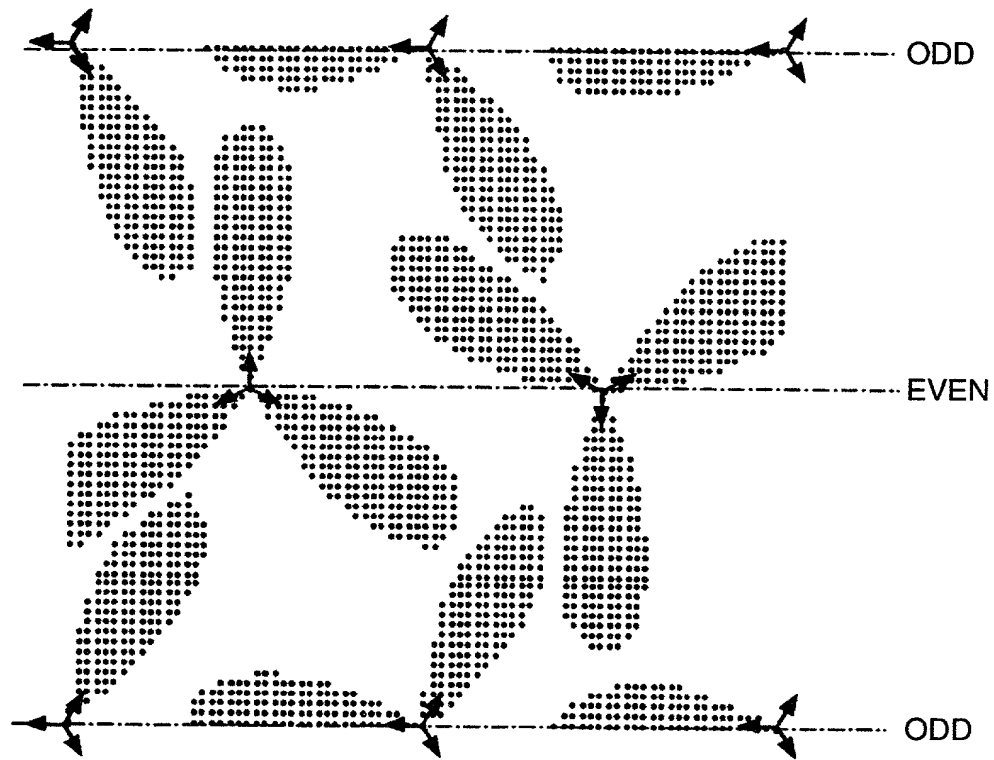


FIG.7

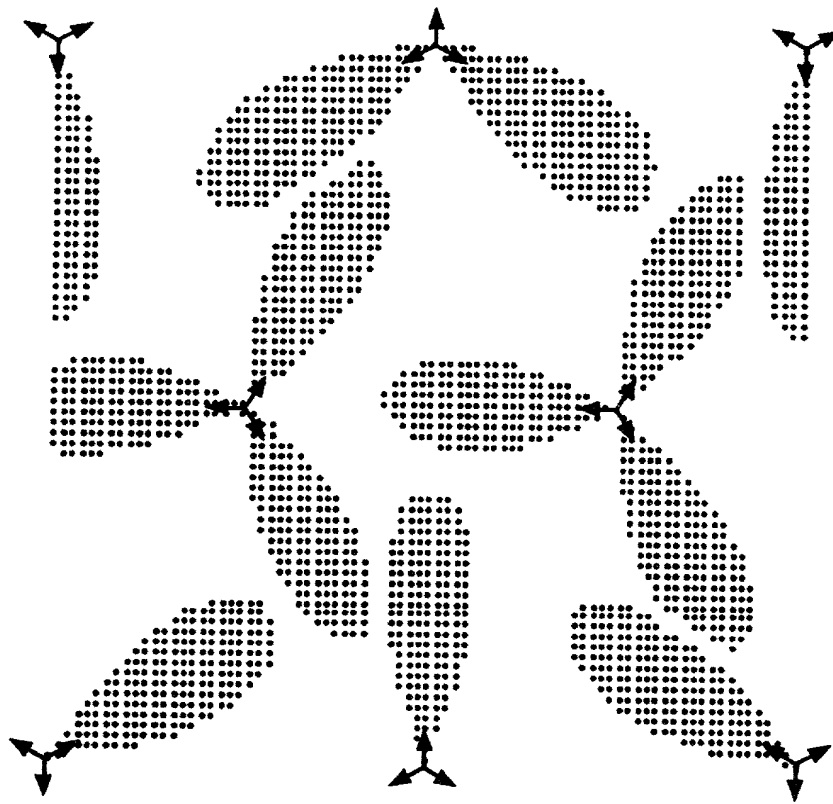


FIG.8

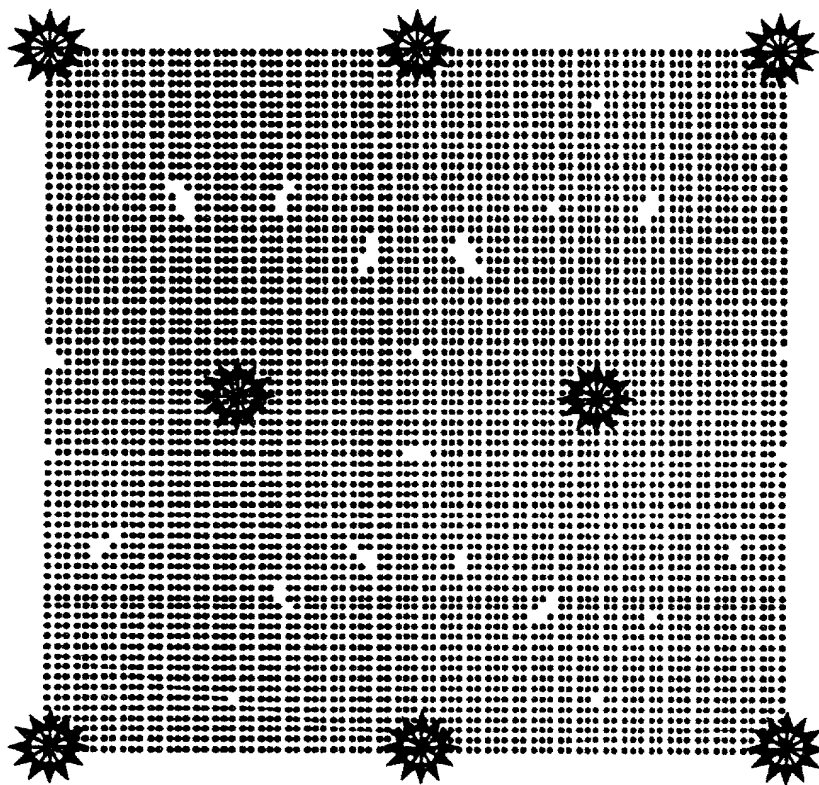


FIG.9

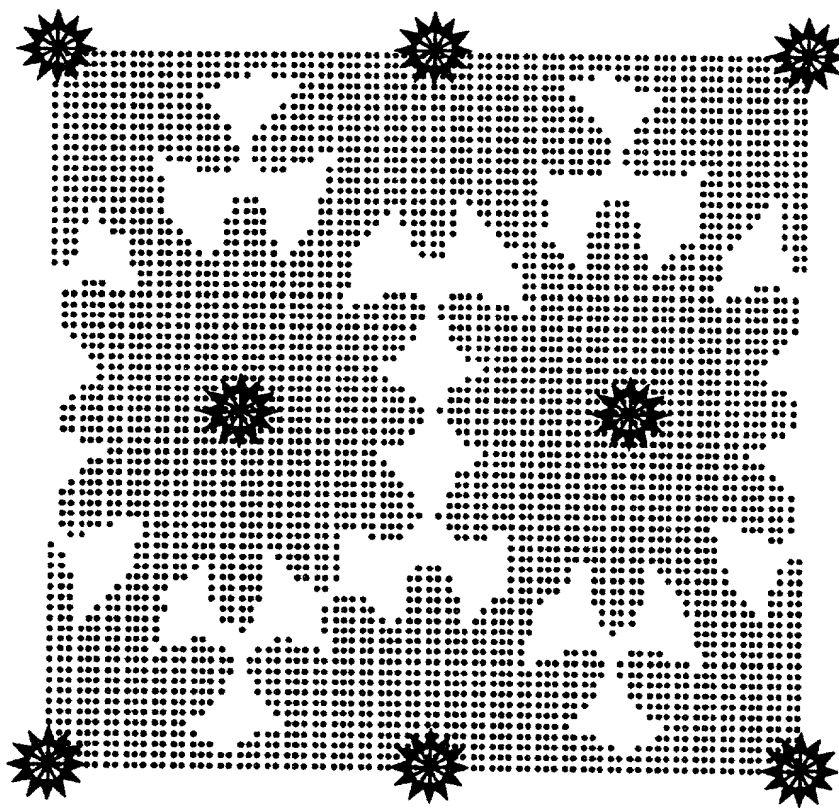


FIG. 9

FIG.10

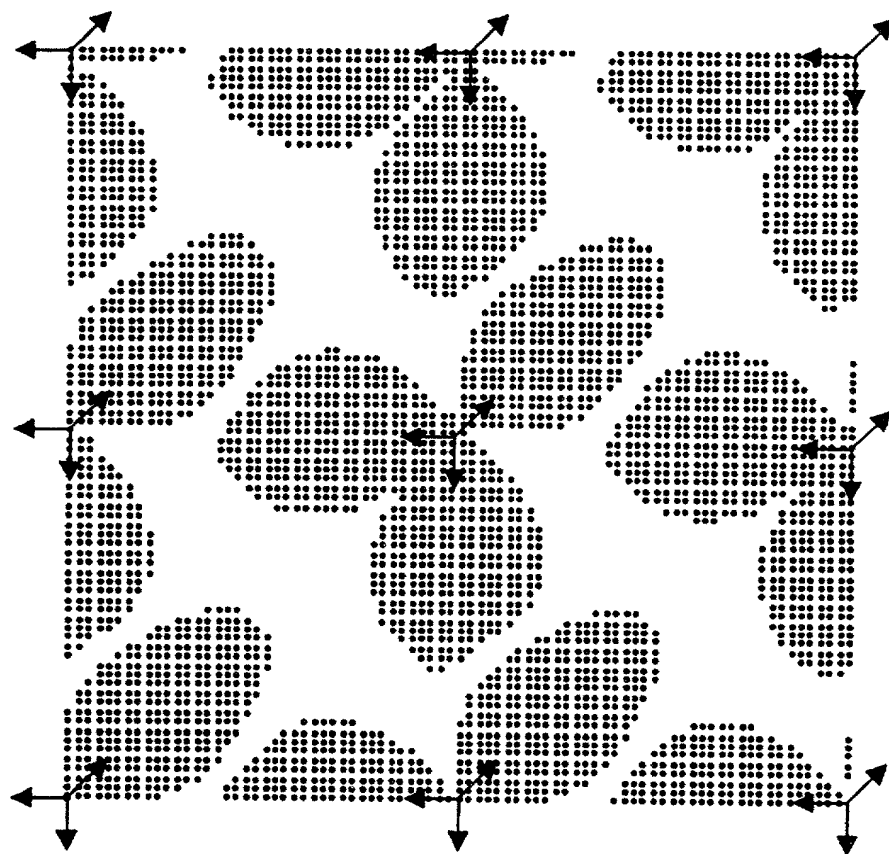


FIG.11

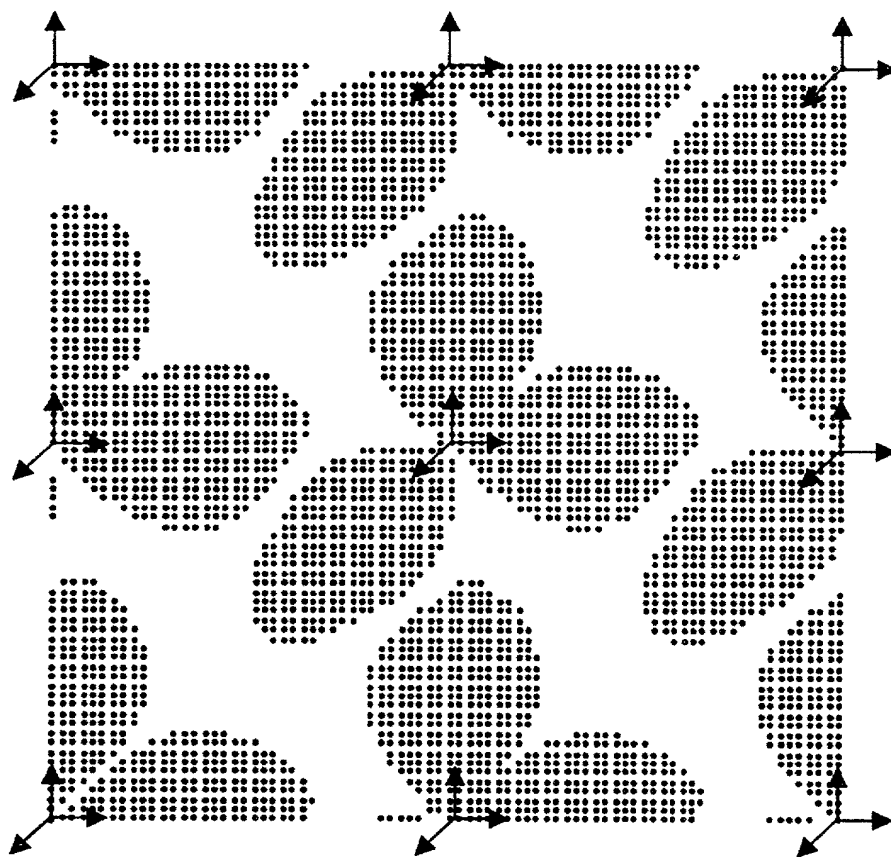


FIG.12

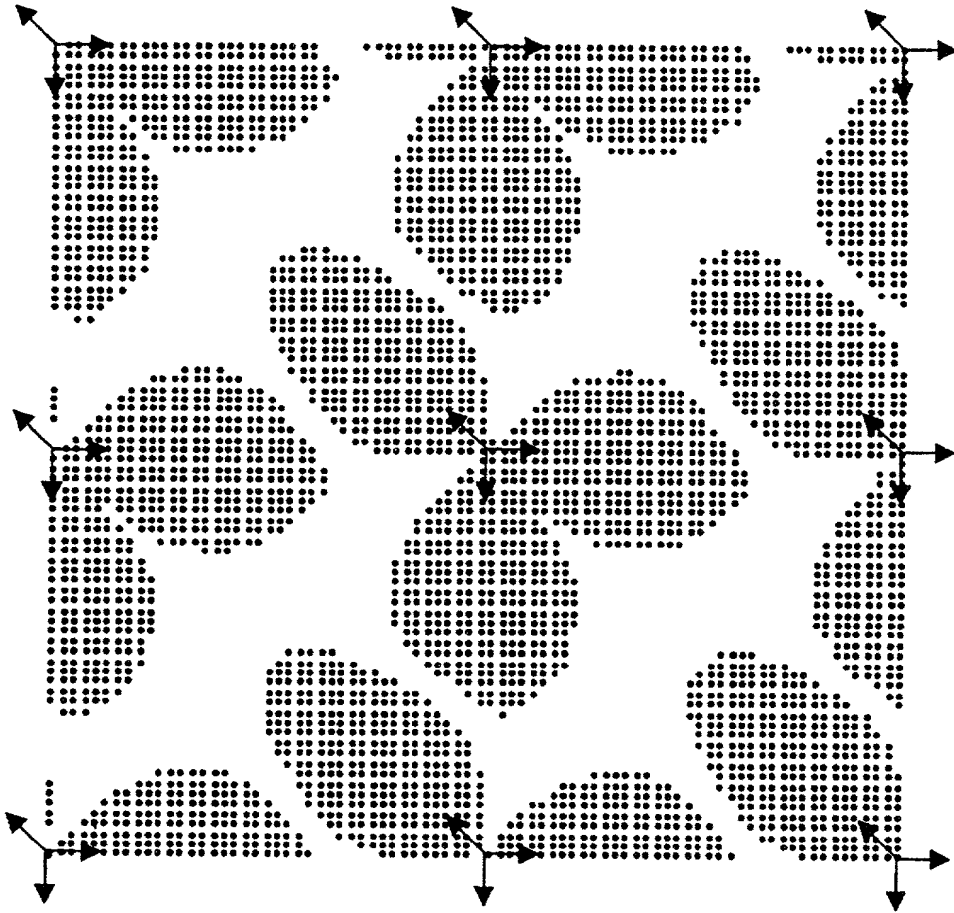


FIG.13

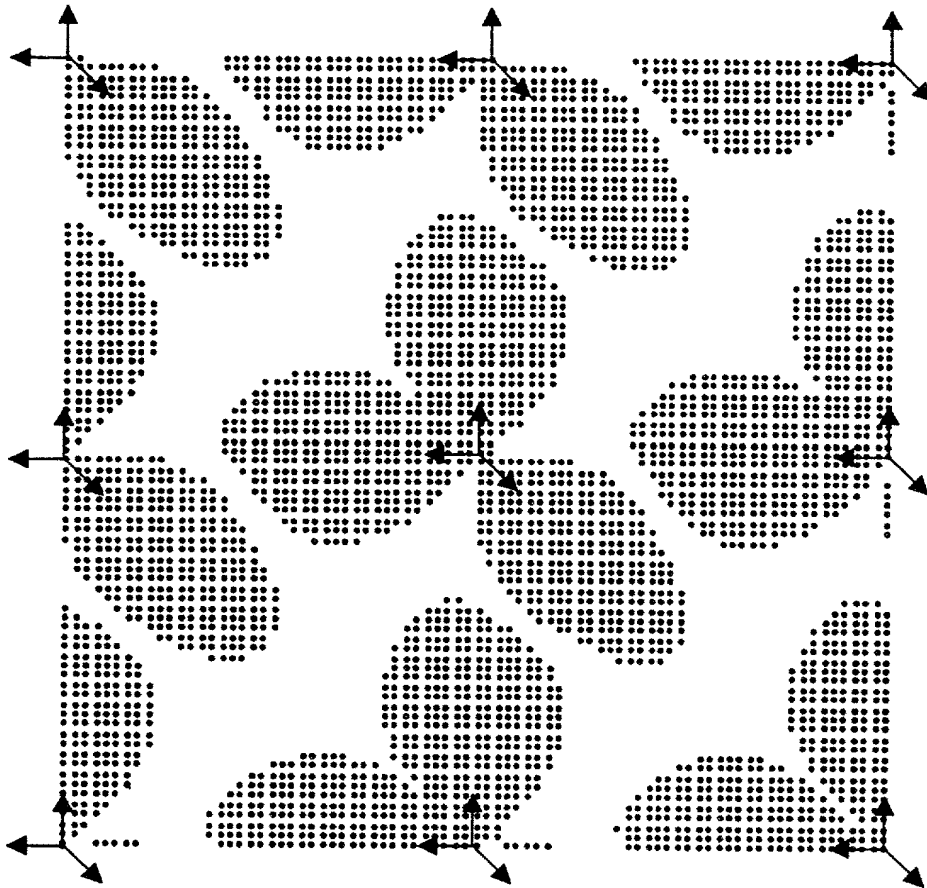


FIG.14

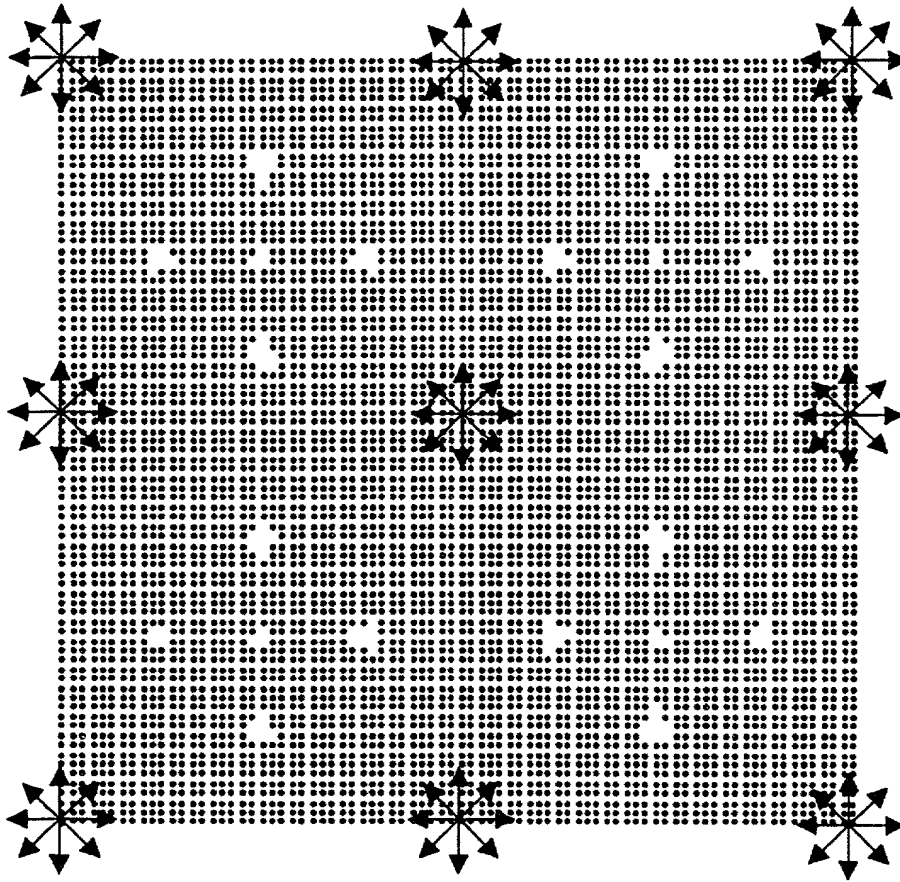


FIG.15

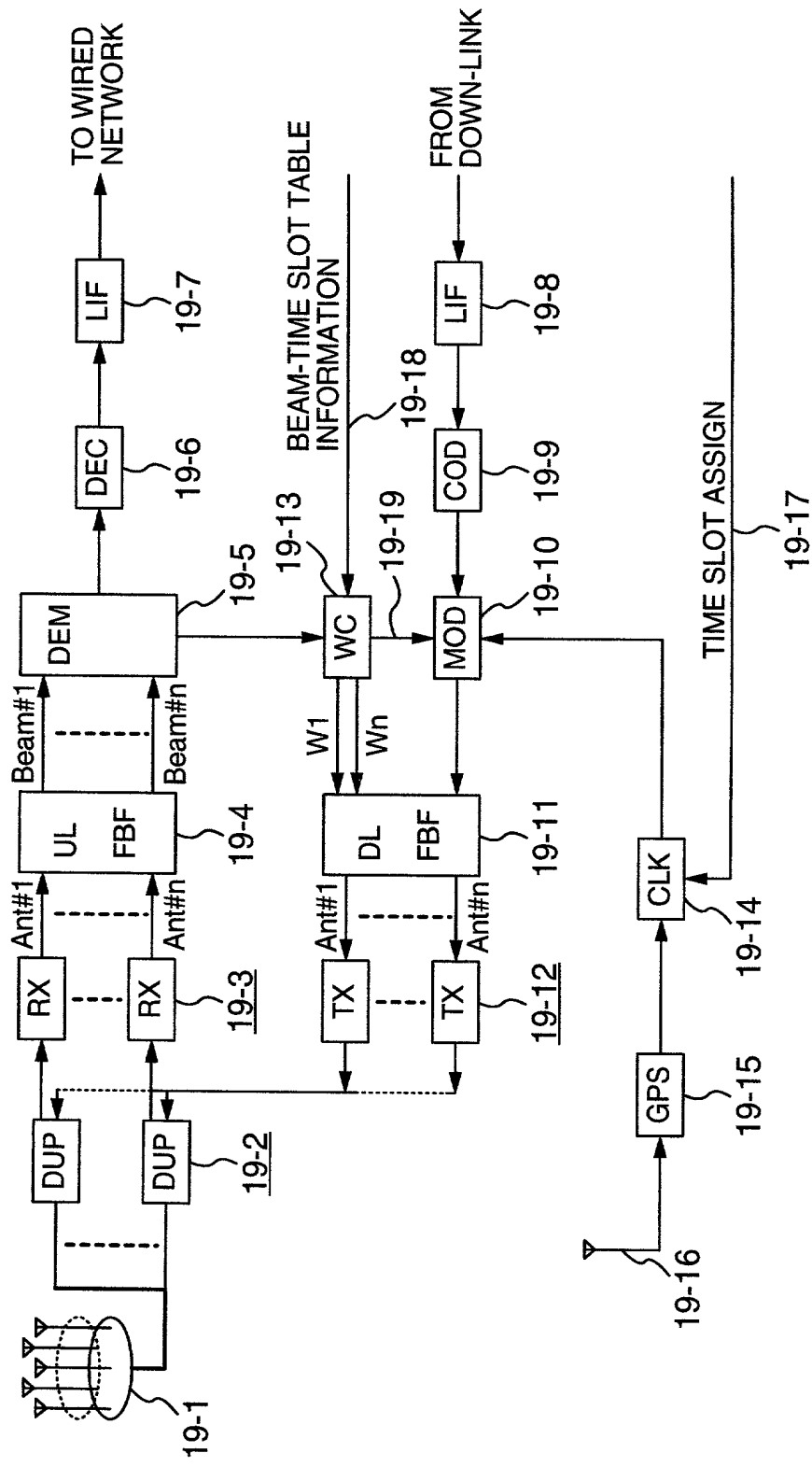
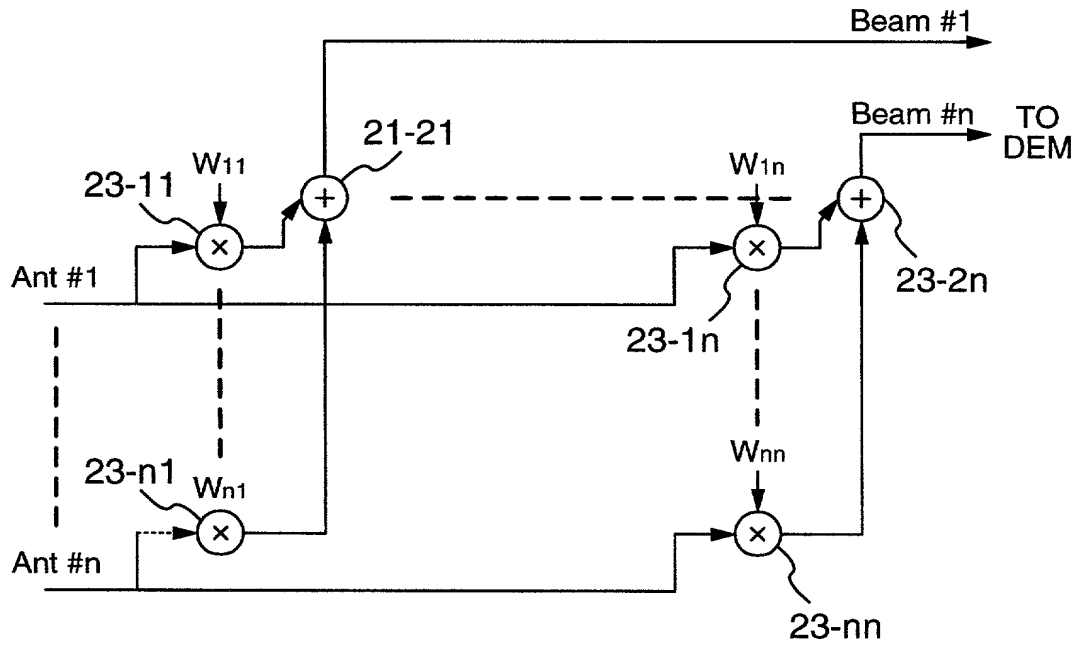


FIG.16



$$\begin{bmatrix} \text{Beam \#1} \\ \vdots \\ \text{Beam \#n} \end{bmatrix} = \begin{bmatrix} W_{11} & \cdots & W_{n1} \\ \vdots & & \vdots \\ W_{1n} & & W_{nn} \end{bmatrix} \begin{bmatrix} \text{Ant \#1} \\ \vdots \\ \text{Ant \#n} \end{bmatrix}$$

FIG.17

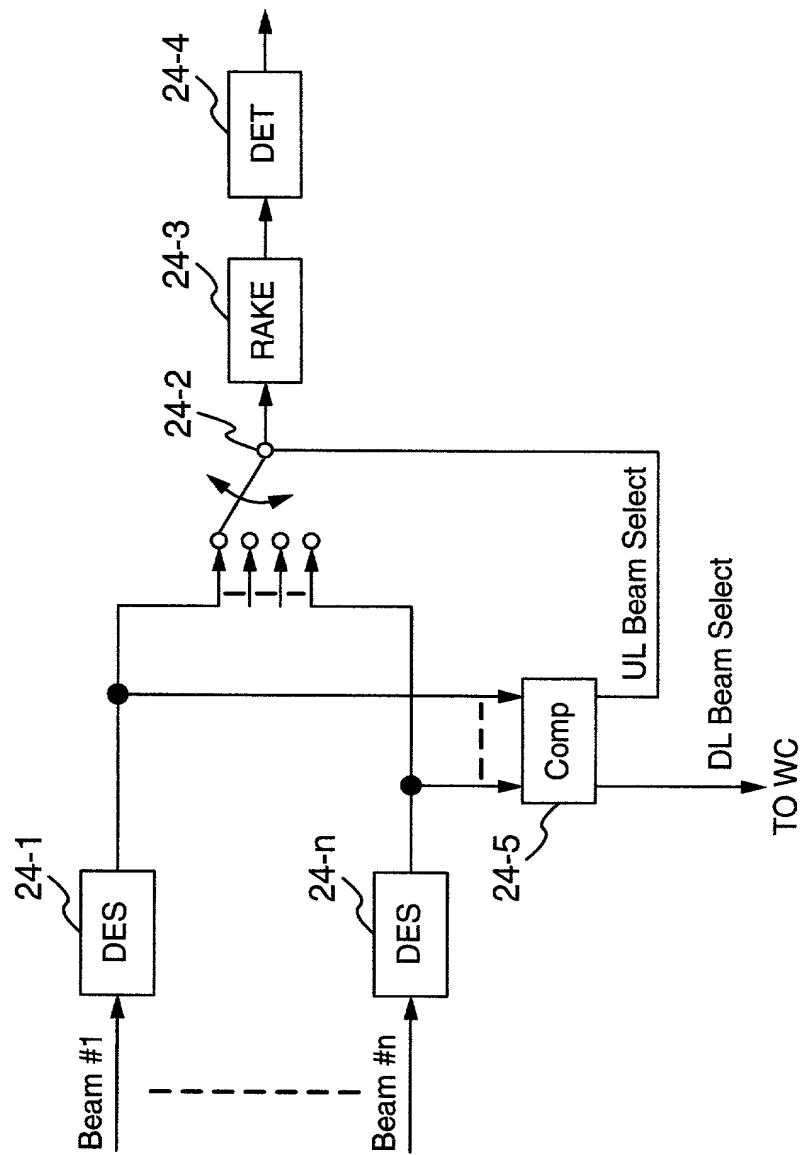


FIG.18

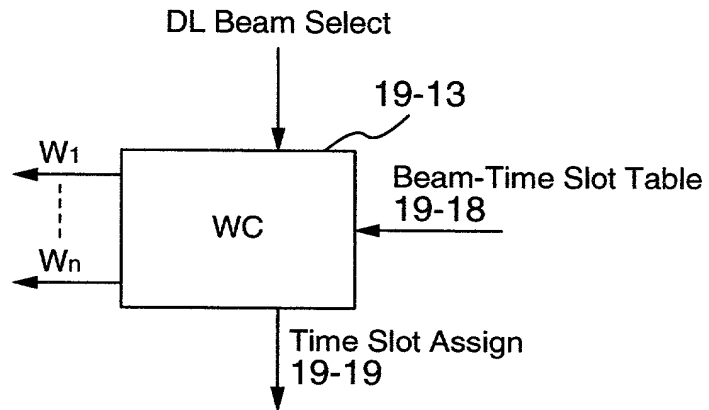


FIG.19

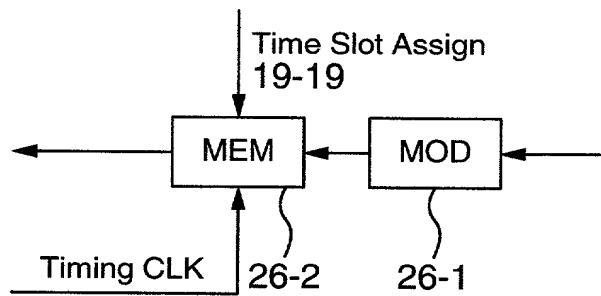


FIG.20

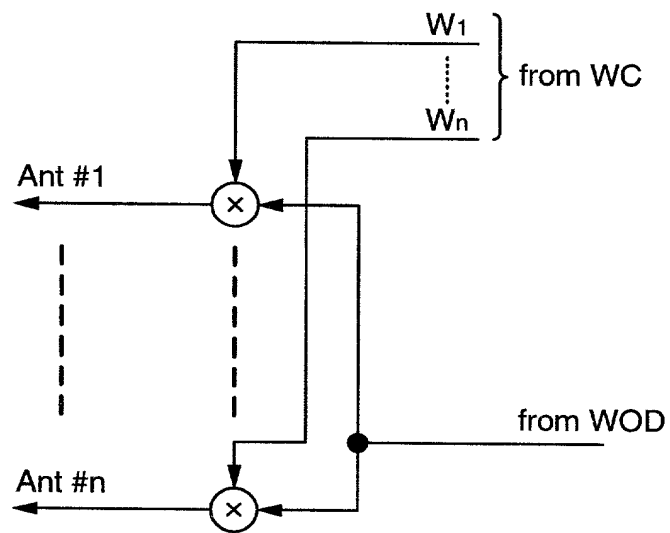


FIG.21

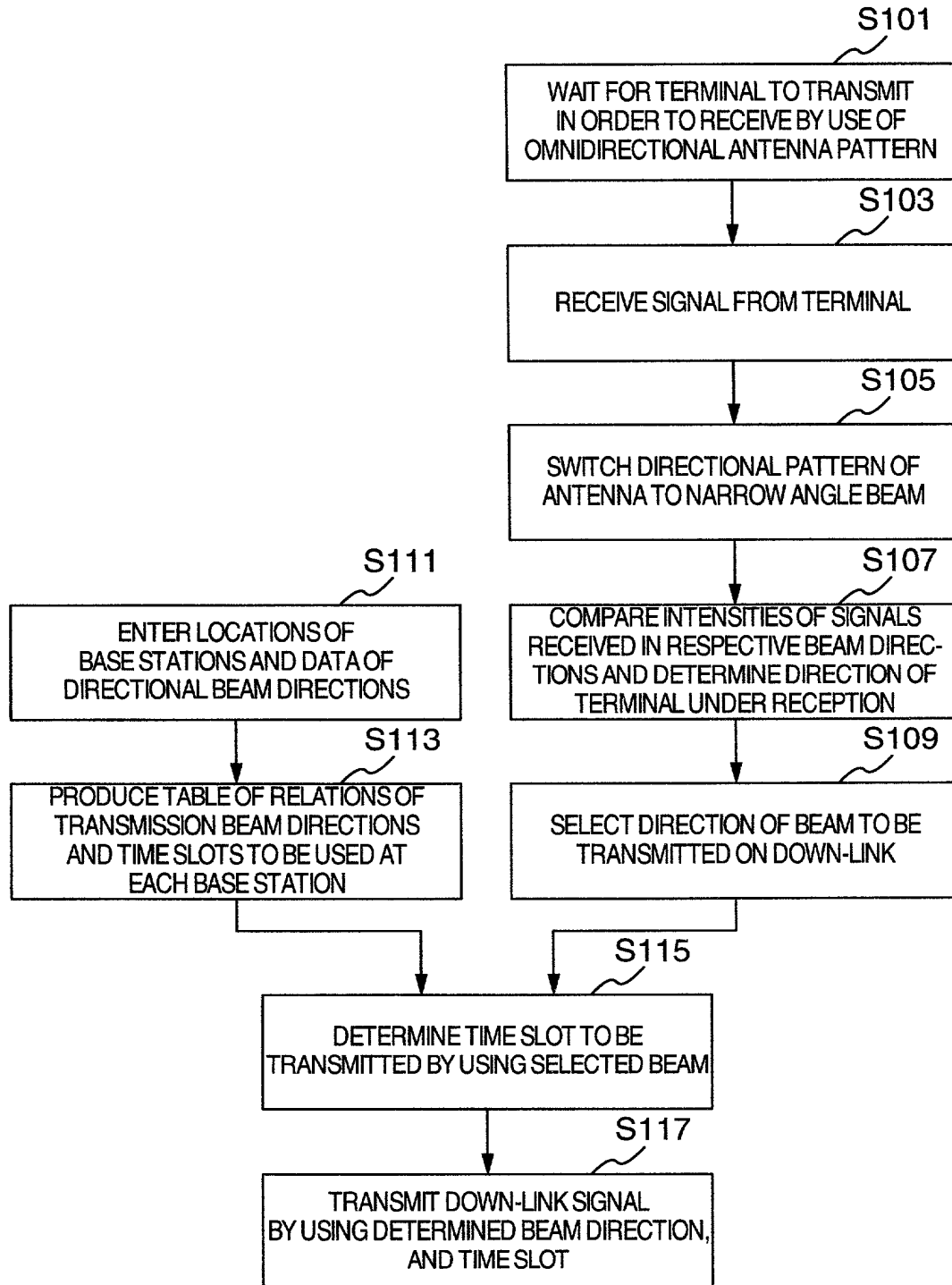


FIG.22

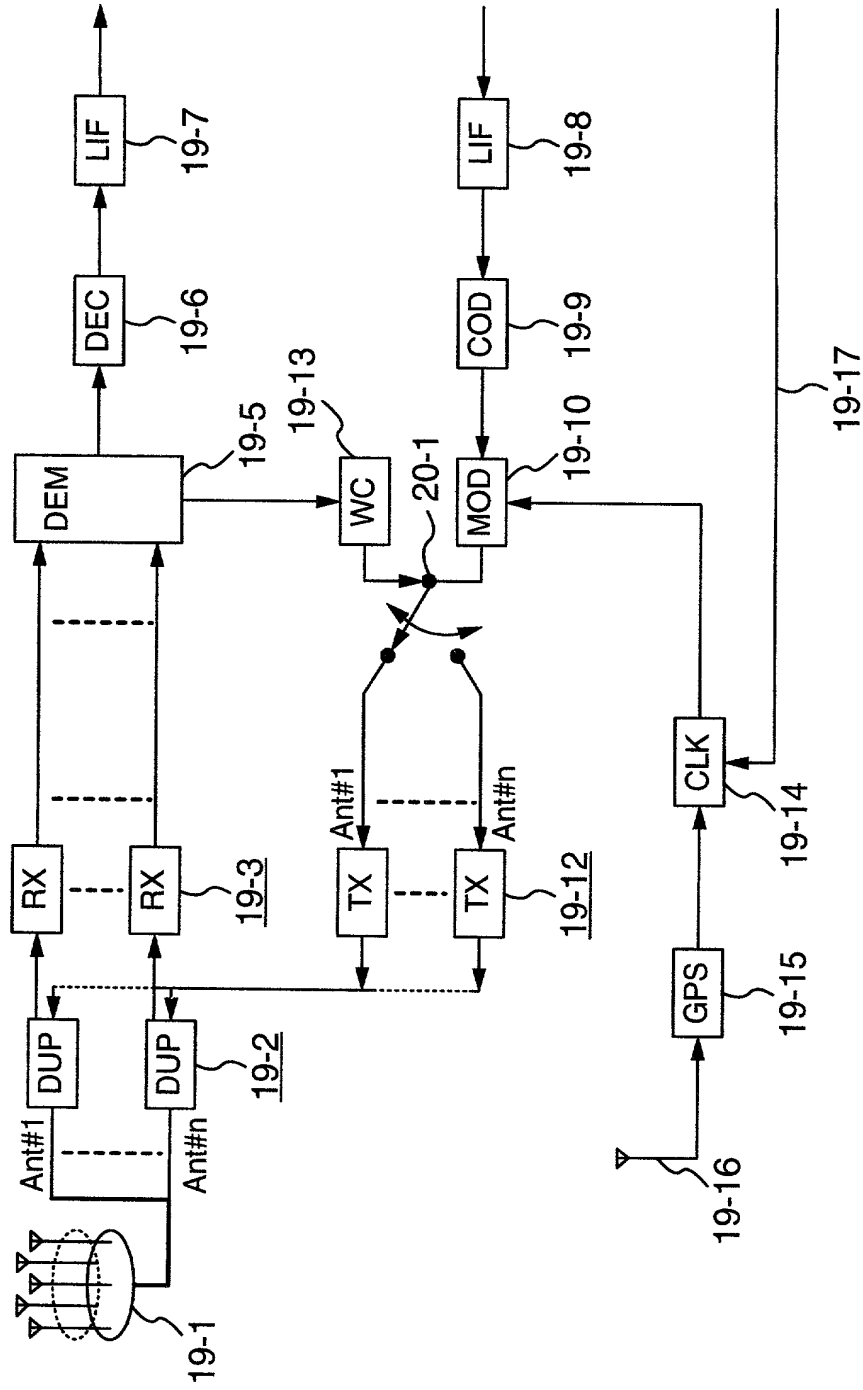
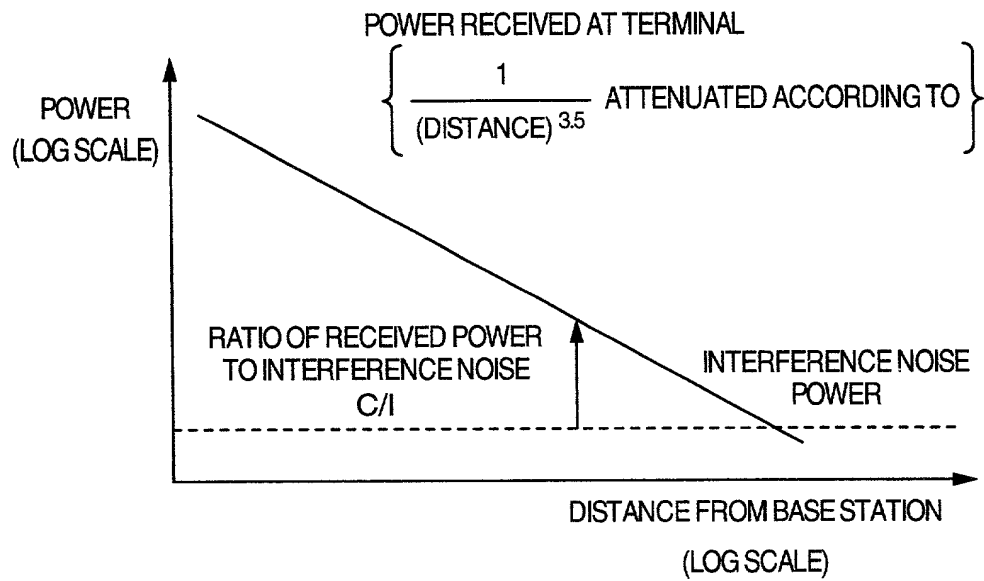


FIG.23



DISTANCE FROM BASE STATION	NEAR	MEDIUM	FAR
C/I	LARGE	MEDIUM	SMALL
MODULATION SYSTEM	8 - LEVEL MODULATION	4 - LEVEL MODULATION	REDUCED - LEVEL MODULATION
REDUNDANCE OF ERROR CORRECTION	SMALL	MEDIUM	LARGE
INSTANTANEOUS TRANSMISSION SPEED	HIGH	MEDIUM	LOW

FIG.24

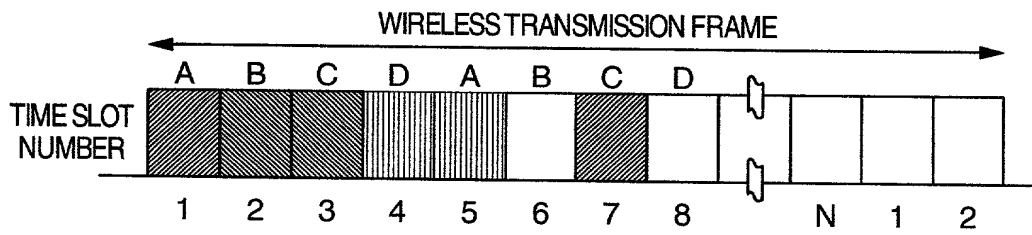


FIG.25

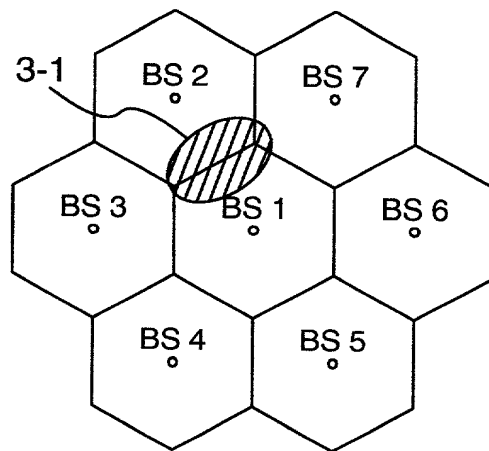


FIG.26

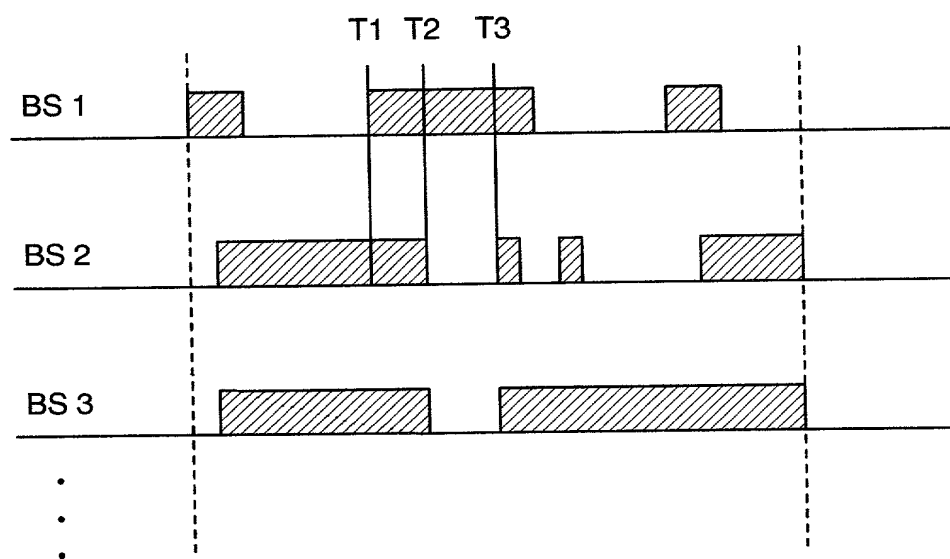


FIG.28

TIME SLOT	BS1			BS2		
	FIRST SECTOR	SECOND SECTOR	THIRD SECTOR	FIRST SECTOR	SECOND SECTOR	THIRD SECTOR
A FIG.4	330°	90°	210°	60°	180°	300°
B FIG.5	60°	180°	300°	330°	90°	210°
C FIG.6	30°	150°	270°	0°	120°	240°
D FIG.7	0°	120°	240°	30°	150°	270°

FIG.29

TIME SLOT	BS1			BS2		
	FIRST SECTOR	SECOND SECTOR	THIRD SECTOR	FIRST SECTOR	SECOND SECTOR	THIRD SECTOR
A FIG.4	330°	90°	210°	60°	180°	300°
B FIG.5	60°	180°	300°	330°	90°	210°
C FIG.6	30°	150°	270°	0°	120°	240°
D FIG.7	0°	120°	240°	30°	150°	270°
E FIG.4	330°	90°	210°	60°	180°	300°
F FIG.7	0°	120°	240°	30°	150°	270°

FIG.30
PRIOR ART

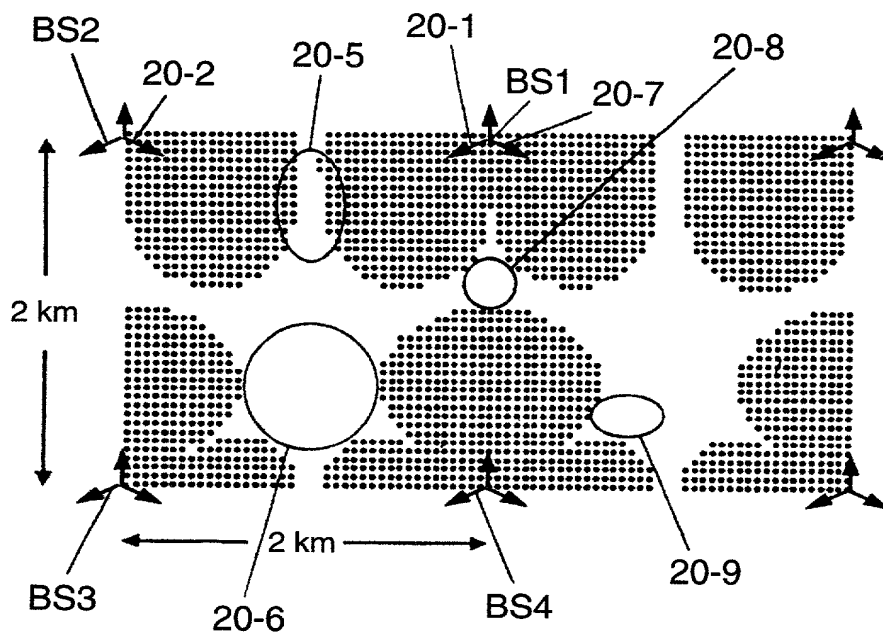


FIG.31
PRIOR ART

